

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: H. Oaku, et al.  
Application No.: TBD  
Filed: October 21, 2003  
For: DISPLAY DEVICE SUBSTRATE AND DISPLAY DEVICE  
FORMED THEREWITH  
Expected  
Group Art Unit: 1712  
Expected  
Examiner: M. Zimmer

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR § 1.97 AND § 1.98**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

October 21, 2003

Sir:

Pursuant to Applicants' duty of disclosure, enclosed please find a List, on a form substantially equivalent to Form PTO-1449, of documents cited during prosecution in connection with a prior application of the above-identified application, Application No. 10/101,167, filed March 20, 2002, and of documents cited in the specification of the above-identified application (of course, cited in the specification of No. 10/101,167).

Since Application No. 10/101,167 is being relied upon under 35 USC §120 in the above-identified application, copies of documents on the enclosed List, cited during prosecution of Application No. 10/101,167, are not enclosed. See 37 CFR § 1.98(d). Please note that Japanese Patent Document No. 06-175413;

No. 07-043639; No. 07-049486, No. 07-287218 and Shinbusha, "Liquid Crystal Display Handbook", were cited in Applicants' specification on pages 2-4, and copies of these documents, with English Abstracts of the Japanese Patent Documents, are enclosed herewith.

To the extent that the listed documents are not in English, requirements of 37 CFR § 1.98(a)(3) are satisfied by the English Abstracts thereof, and discussion of these documents in Applicants' specification (pages 2-4 thereof).

This Information Disclosure Statement is being submitted concurrently with the filing of the above-identified application. Accordingly, requirements of 37 CFR § 1.97(b) are satisfied.

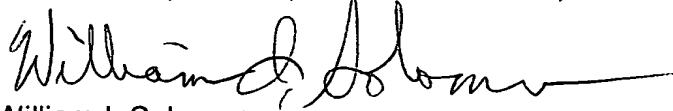
In view of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR § 1.97 and § 1.98 have been satisfied, in connection with each of the documents on the enclosed List. Accordingly, consideration of the listed documents, upon examination of the above-identified application, is respectfully requested.

501.41519CX1

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to the Deposit Account No. 01-2135 (Case No. 501.41519CX1), and please credit any excess fees to such Deposit Account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read "William I. Solomon", with a long horizontal flourish extending to the right.

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<b>Form PTO-1449</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  (Use several sheets if necessary)	<b>ATTY. DKT. NO.</b> 501.41519VX1	<b>SERIAL NO.</b> TBD
	<b>APPLICANT</b> Oaku, et al	
	<b>FILING DATE</b> October 21, 2003	<b>EXPECTED GROUP</b> 1712

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA	6,172,457	1/9/2001	Brown, et al.			
AB						
AC						
AD						

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/ Abstracts	
						Yes	No
AE	57-196747	12/2/1982	Japan			X	
AF	06-175143	6/24/1994	Japan			X	
AG	07-043696	2/14/1995	Japan			X	
AH	07-049486	2/21/1995	Japan			X	
AI	07-287218	10/31/1995	Japan			X	
AJ							
AK							
AL							

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AM	Shinbusha, "Liquid Crystal Display Handbook", 142th Committee of Japan Society for the Promotion of Science (Chapter 4, Section 4.2, pages 218-221, 1989)
AN	
AO	
AP	
AQ	
AR	
<b>Examiner</b>	
<b>Date Considered</b>	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC